

REMARKS

Applicant is in receipt of the Office Action mailed September 20, 2005. Claims 1-65 were rejected. Claims 1-13, 15-43, 45-55, and 58-65 have been amended. Claim 14 has been canceled. New claims 66-70 have been added. Claims 1-13 and 15-70 are currently pending in the application. Reconsideration of the present case is earnestly requested in light of the following remarks.

Claim Objections

Claim 61 previously contained a typographical error and referred to the “method” of claim 60. However, claim 60 is a memory medium claim. Applicant has amended claim 61 to refer to the memory medium of claim 60.

Section 101 Rejections

Claims 17-27, 36-47, 60, and 62-65 were rejected under 35 U.S.C. 101 because the “memory medium” as claimed was not limited to a tangible medium. Applicant has amended each independent memory medium claim to clarify that the memory medium is a computer-readable memory medium, and thus, is a tangible medium.

Section 102 Rejections

Claims 1-65 were rejected under 35 U.S.C. 102(e) as being anticipated by Morganelli et al. (U.S. Patent No. 6,425,120, hereinafter “Morganelli”). Applicant respectfully traverses this rejection.

Applicant has amended the claims to clarify the subject matter that Applicant regards as the invention. Applicant respectfully submits that Morganelli does not teach the subject matter recited in the present claims. For example, amended claim 1 recites as follows:

1. (Currently Amended) A method for configuring a first node in a graphical program, the method comprising:

- displaying the first node in the graphical program, wherein the first node is configurable to perform a plurality of operations depending upon user input specifying configuration information for the first node, wherein the graphical program comprises a first plurality of interconnected nodes that visually indicate

functionality of the graphical program, and wherein the graphical program is executable to perform the functionality;

displaying a graphical user interface (GUI) for specifying configuration information for the first node, wherein the GUI displays information indicating the plurality of operations which the first node is configurable to perform, wherein the GUI is useable to configure the first node to perform one or more operations from the plurality of operations;

receiving user input to the GUI specifying one or more operations for the first node to perform from the plurality of operations; and

configuring the first node to perform the one or more specified operations in response to the user input to the GUI, wherein configuring the first node comprises automatically generating graphical source code for the first node to implement the one or more specified operations, wherein automatically generating the graphical source code for the first node comprises automatically generating a second plurality of interconnected nodes without receiving user input directly specifying the nodes in the second plurality of interconnected nodes, wherein the second plurality of interconnected nodes is operable to perform the one or more specified operations during execution of the graphical program.

The method of claim 1 comprises, in pertinent part, “automatically generating graphical source code for the first node to implement the one or more specified operations, wherein automatically generating the graphical source code for the first node comprises automatically generating a second plurality of interconnected nodes without receiving user input directly specifying the nodes in the second plurality of interconnected nodes”. Morganelli does not teach automatic generation of graphical source code, and more particularly, does not teach automatically generating a plurality of interconnected nodes without receiving user input directly specifying the nodes in the plurality of interconnected nodes. The only method regarding the creation of graphical source code which Morganelli teaches is that of a user manually creating graphical source code. For example, Morganelli teaches at Col. 8, lines 42-54 that,

To generate an application program, the developer selects one or more icons preferably from the designer toolbar 414 that perform requisite functionality for carrying out the tasks of the application program. In response, the program-development environment 310 places corresponding symbols in the designer window 406. The developer then graphically links these symbolic representations by drawing "wires" between them in order to create a data and/or execution control flow diagram. He or she will typically do this by using the mouse 230 (FIG. 2) or similar input device to cause the cursor 240 to move from

one symbol to the next, although other graphical or even keyboard inputs may be used to perform the "graphical input". (*Emphasis added*)

Thus, Morganelli teaches that the program-development environment places corresponding symbols in the designer window in response to user input directly selecting the icons for carrying out the tasks of the application program. Morganelli also teaches that the symbols are manually interconnected in response to the user drawing wires between them, as opposed to being automatically interconnected.

Thus, Morganelli does not teach automatically generating graphical source code (automatically generating a plurality of interconnected nodes), as recited in claim 1. Moreover, Morganelli does not teach automatically generating graphical source code for a node to implement one or more operations that have been specified by user input to a GUI for specifying configuration information for the node.

Thus, for at least the reasons given above, Applicant respectfully submits that Morganelli does not teach the subject matter recited in claim 1. Applicant thus submits that claim 1, and the claims dependent thereon, are allowable over Morganelli. Inasmuch as the other independent claims recite features similar to those recited in claim 1, Applicant submits that the other independent claims, and the claims respectively dependent thereon, are also allowable.

Applicant also respectfully submits that numerous of the dependent claims recite further distinctions over Morganelli. However, since the independent claims have been shown to be patentably distinct, a further discussion of the dependent claims is not necessary at this time.

CONCLUSION

Applicant submits the application is in condition for allowance, and an early notice to that effect is requested.

If any extensions of time (under 37 C.F.R. § 1.136) are necessary to prevent the above referenced application(s) from becoming abandoned, Applicant(s) hereby petition for such extensions. If any fees are due, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel PC Deposit Account No. 50-1505/5150-48400/JCH.

Also enclosed herewith are the following items:

☒ Return Receipt Postcard

Respectfully submitted,



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